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# Entertaining Education

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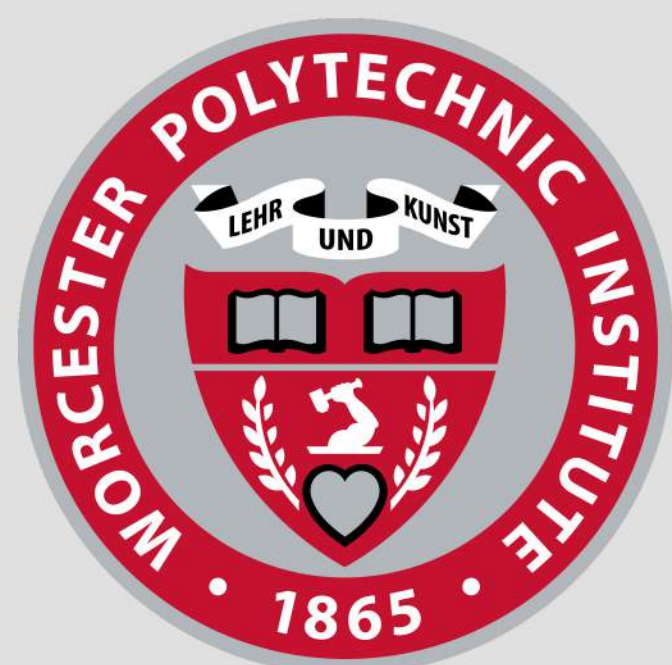
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# WPI

# Entertaining Education:

## *Interactive Learning on Kindergarten Children*

**Students:** Chris Bianco (CS/ECE), Kelly Ann Marie Carlson (ME), Dominic Redding (CS/IMGD)

**GPS:** Ignorance is NOT Bliss

**Advisors:** Prof Joseph Beck (CS), Prof Robert Traver (US), Mariana Vertoni (PLA)

### Problem

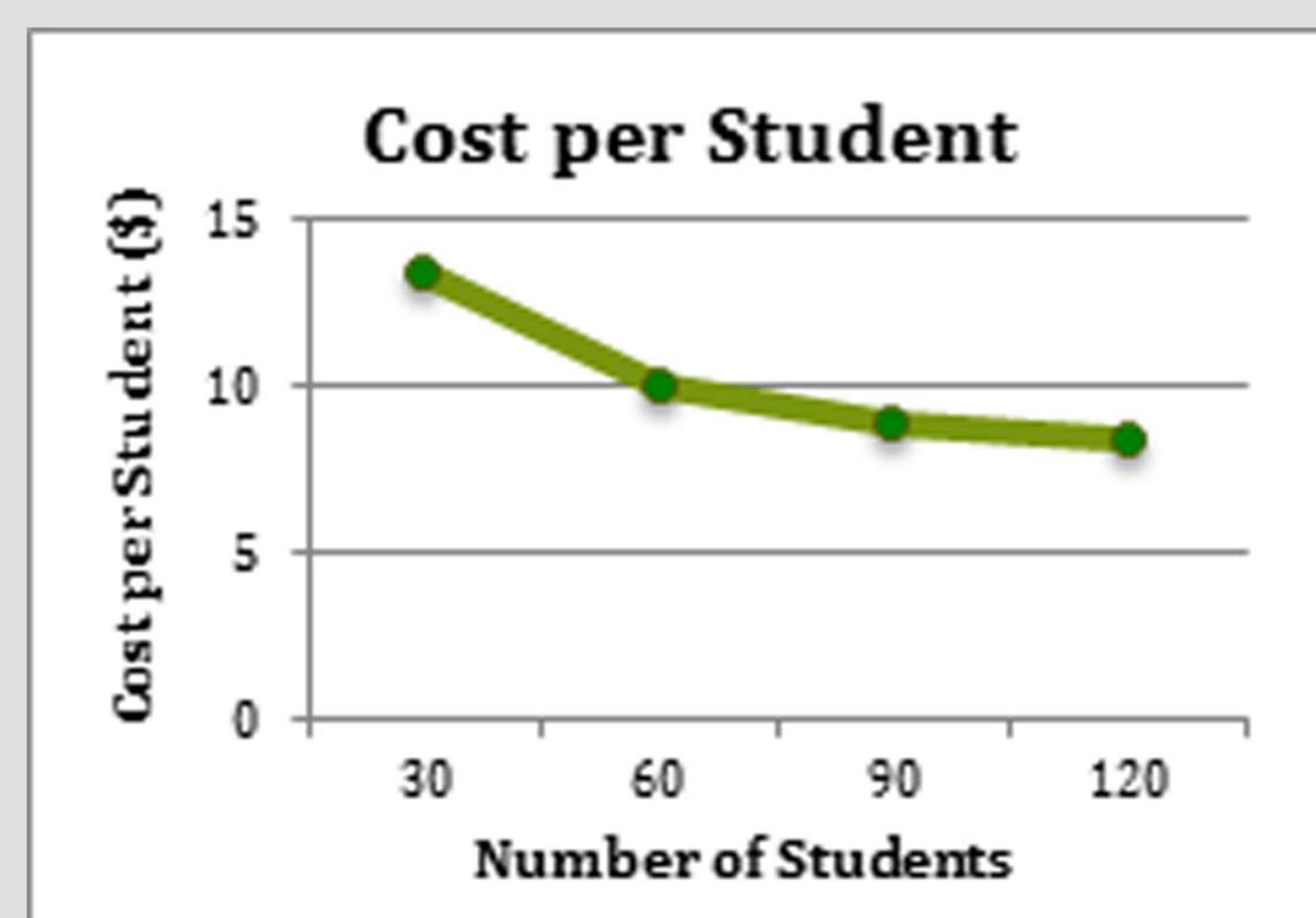
- Kindergarten students have a maximum attention span of 30 minutes
- Short attention spans limit instruction time
- Insufficient basic skills cause problems in later education

### Solution

Use a stuffed toy with an interactive lesson to improve attentiveness

### Cost/Benefit

- \$20 per book
- \$200 for toys per class



- More incentive to pay attention
- Relating to lesson helps retention



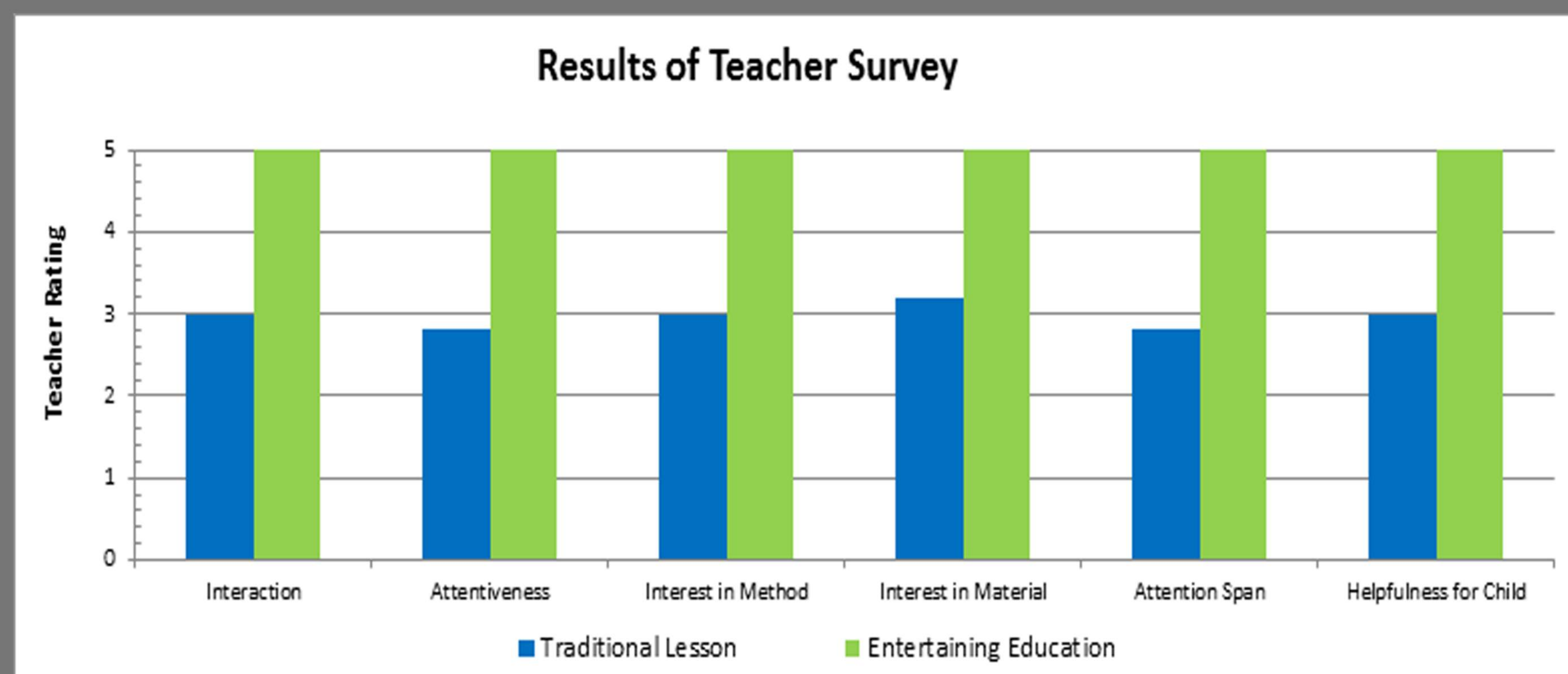
### Method

Students read along with a storybook while interacting with the toy

Page #2- "Touch & count Gompy's 2 eyes"

### Testimonial

"I was amazed by the improvement in not only attention span but overall interest in the subject being taught."  
-Kimberly Higgins



### Interactive Toy



The spelling of Gompy's name was changed for pronunciation.

### Assessment/Results

- Students were given a pre-test following a regular lesson
- Post test given after interactive lesson
- Teacher survey filled out for each student during each lesson
- Lowest student score increased from 68% to 100%
- Student attention and interest in the material improved
- Trial was successful

### Acknowledgement

- Whittier Elementary School
- Valhalla High School Mac Lab
- WPI IRB

### References

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